



Water-based physically drying coating agents, manufacture and use thereof

Description of Technology: The invention relates to physically drying water-based coating agents, suitable more particularly for manufacture of single-color coatings. The coating agent is particularly suitable for manufacturing lacquers for repairs in the motor vehicle sector.

Patent Listing:

1. **US Patent No. 5,401,795**, Issued on March 28, 1995, “Water-based physically drying coating agents, manufacture and use thereof.”

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&co1=AND&d=PTXT&s1=5,401,795.PN.&OS=PN/5,401,795&RS=PN/5,401,795>

Market Potential: In industry and trade, there is also a need for physically drying coating agents suitable particularly for patching the lacquer on various substrates such as metal objects, more particularly in the motor vehicle sector, or for lacquering machines. The coating agents required for this purpose must dry or harden at room temperature or on slight heating, e.g. up to 60.degree. C.

These physically drying coating agents, suitable e.g. for patching the lacquer on motor vehicles, are known e.g. from DE- PS 29 24 632. The known systems, however, are not water-based but based on organic solvents.

The aim of the invention is to provide a water-based physically drying coating agent. It has been found that this problem can be solved by the subject of the invention.

The coating agents according to the invention can be applied to a wide variety of substrates. They are particularly suitable for producing single-color base layers in multilayer composite lacquers. The preferred application is to lacquering of motor vehicles or parts thereof. As a result of the advantageous physical drying, the coating agents according to the invention are particularly suitable as repair or patching lacquers.

Benefits:

- Water-based physically drying coating agent.
- The coating agent can be applied to a wide range of substrates.

Applications:

- Serve as repair or patching lacquers

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